

## GC/MS BATCH NUMBER: CG0101

**ESSENTIAL OIL**: CLOVE BUD

**BOTANICAL NAME: SYZYGUIM AROMATICUM** 

ORIGIN: SRI LANKA

KEY CONSTITUENTS PRESENT IN THIS BATCH OF CLOVE BUD OIL	%
EUGENOL	84.1
EUGENYL ACETATE	9.0
β-CARYOPHYLLENE	6.1



**Date:** October 22, 2015

## SAMPLE IDENTIFICATION

Internal code: 15J15-PTH5-1-LC

Customer identification: Clove Bud - Sri Lanka - CG0101

**Type:** Essential Oil

**Source :** *Syzygium aromaticum* **Customer :** Plant Therapy

## **ANALYSIS**

Method: PC-PA-001-15E06, "Analysis of the composition of a liquid essential oil by GC-FID" (in French).

**Analyst :** Alexis St-Gelais, M. Sc. **Analysis date :** 2015-10-16



## **IDENTIFIED COMPOUNDS**

Identification	Column: BP5			Column: WAX			Molecular Class
	R.T.	R.I.	%	%	R.I.	R.T.	Molecular Class
Chavicol	11.19	1289	0.06	0.07	2264	43.35	Phenylpropanoid
α-Cubebene	13.28	1329	0.03	0.03	1418	6.59	Sesquiterpene
Eugenol	15.77	1373	84.06	84.42	2092	38.77	Phenylpropanoid
β-Caryophyllene	17.37	1401	6.12	5.85	1533	9.38	Sesquiterpene
α-Humulene	19.67	1431	0.43	0.43	1597	11.46	Sesquiterpene
δ-Cadinene	25.06	1502	0.05	0.03	1686	15.64	Sesquiterpene
Eugenyl acetate	27.59	1532	8.98	8.84	2188	41.47	Phenylpropanoid ester
Caryophyllene oxide	29.76	1558	0.13	0.09	1861	26.93	Sesquiterp. ether
Total identified			99.86%	99.76%			

<sup>\*:</sup> Two or more compounds are coeluting on this column

[xx]: Duplicate percentage due to coelutions, not taken account in the identified total

Note: no correction factor was applied

OTHER DATA

Physical aspect: Clear liquid

**Refractive index :** 1.5375 ± 0.0003 (20 °C)

**CONCLUSION** 

No adulterant, contaminant or diluent were detected using this method.

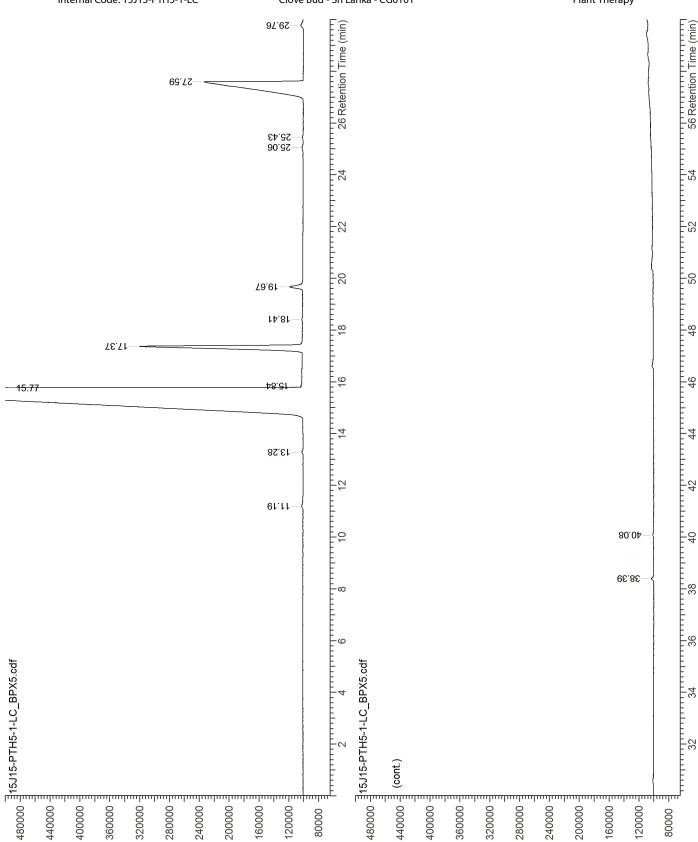
Checked and approved by:

Alexis St-Gelais, M. Sc., chimiste 2013-174

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